

ACRONYMS AND ABBREVIATIONS

	%RSD	Percent relative standard deviation
A	ACDEH	Alameda County Department of Environmental Health
	ACHCS	Alameda County Health Care Services
	ACL	Ambient concentration limit
	ACOE	Army Corps of Engineers
	ALARA	As low as reasonably achievable
	AMS	Accelerator mass spectrometry
	ANSI	American National Standards Institute
	ARO	Assurance Review Office at LLNL
	AST	Aboveground Storage Tank
	ATSDR	Agency for Toxic Substances and Disease Registry
	AVLIS	Advanced Laser Isotope Separation
	AWQC	Ambient water quality criteria
B	BAAQMD	Bay Area Air Quality Management District
	BA/BO	Biological Assessment/Biological Opinion
	BCG	Biota concentration guide
	BETX (or BTEX)	Benzene, ethyl benzene, toluene, and xylene
	BMP	Best management practice
	BOD	Biochemical oxygen demand
	Bq	Becquerel
	BSA	Blanket Service Agreement
C	CAM	Continuous air monitor
	CAMP	Corrective Action Monitoring Program
	CAREs	(Tri-Valley) Communities Against a Radioactive Environment
	CCR	California Code of Regulations
	CDFG	California Department of Fish and Game

	CDHS	California Department of Health Services
	CDHS-RHB	California Department of Human Services, Radiological Health Branch
	CEI	Compliance Evaluation Inspection
	CEPRC	Chemical Emergency Planning and Response Commission
	CEQA	California Environmental Quality Act of 1970
	CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
	CERCLA/SARA	Superfund Amendments and Reauthorization Act (SARA)
	CES	Chemistry and Materials Science Environmental Services
	CFC	Chlorofluorocarbon
	CFR	Code of Federal Regulations
	CHA	Critical habitat area
	CHP	California Highway Patrol
	Ci	Curie
	COC	Constituent of concern
	CRD	Catalytic reductive dehalogenation
	CRMP	Cultural Resource Management Plan
	CRWQCB	California Regional Water Quality Control Board
	CVRWQCB	Central Valley Regional Water Quality Control Board
	CWG	Community Work Group
D	DAP	Discipline Action Plan
	DC	Direct current
	DCG	Derived Concentration Guide
	DHS	Department of Health Services
	DL	Detection limits
	DLM	Designated level methodology
	DMP	Detection Monitoring Program
	DOE	U.S. Department of Energy
	DOE/OAK	DOE Oakland Operations Office
	DOT	U.S. Department of Transportation
	DRB	Drainage Retention Basin
	DTSC	(California Environmental Protection Agency), Department of Toxic Substances Control
	DWTF	Decontamination and Waste Treatment Facility
E	E2	Energy efficiency

	EA	Environmental Assessment
	EDE	Effective dose equivalent
	EDO	Environmental Duty Officer
	EIR	Environmental impact report
	EIS	Environmental impact statement
	EML	Environmental Monitoring Laboratory
	EMRL	Environmental Monitoring Radiation Laboratory
	EO	Electroosmosis
	EOG	Environmental Operations Group
	EPA	U.S. Environmental Protection Agency
	EPCRA	Emergency Planning and Community Right-to-Know Act of 1986
	EPD	Environmental Protection Department (LLNL)
	EPL	Effluent pollutant limit
	EPTP	Environmental Protection Training Department (LLNL)
	ERD	Environmental Restoration Division (of the Environmental Protection Department at LLNL)
	ES&H	Environment, Safety, and Health
	EST	Environmental support team
	EWSE	Explosives Waste Storage Facility
	EWTF	Explosives Waste Treatment Facility
F	FESSP	Fission Energy and Systems Safety Program
	FFA	Federal facility agreement
	FHC	Fuel hydrocarbon
	FONSI	Finding of no significant impact
	Freon 11	Trichlorofluoromethane
	Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
	FSP	Facility safety plan
G	g	Gram
	GAC	Granulated activated carbon
	GBq	Gigabecquerel. (10^9 Bq)
	GIS	Geographic Information Systems
	GSA	General Services Area (LLNL Site 300)
	GTU	GAC treatment unit
	GWP	Ground Water Project

	GWPMP	Ground Water Project Management Program
	GWTF	Ground Water Treatment Facility
	GWTS	Ground Water Treatment System
	Gy	Gray
H	HCAL	Hazards Control Department's Analytical Laboratory
	HCD	Hazards Control Department (LLNL)
	HCRML	Hazards Control Radiological Measurements Laboratory
	HE	High explosives
	HEPA	High-efficiency particulate air (filter)
	HMX	Cyclotetramethyltetramine. Also referred to as octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.
	HPGe	High-purity germanium
	HPLC	High Pressure Liquid Chromatography
	HSU	Hydrostratigraphic unit
	HT	Tritiated hydrogen gas (See also tritium in Glossary.)
	HTO	Tritiated water and water vapor (See also tritium in Glossary.)
	HWCA	(California) Hazardous Waste Control Act
	HWM	Hazardous Waste Management Division (of the Environmental Protection Department at LLNL)
I	ICRP	International Commission on Radiological Protection
	IMS	Instrumented membrane system
	IQR	Interquartile range
	ISMS	Integrated Safety Management System
	IWS	Integration work sheet
J	JON	Judgement of Need
K	kg	Kilogram
	kCi	Kilocurie (10^3 Ci)
	kBq	Kilobecquerel (10^3 Bq)
L	LBNL	Lawrence Berkeley National Laboratory
	LEPC	Local Emergency Planning Committee
	LLNL	Lawrence Livermore National Laboratory
	LOEC	Lowest observed effect concentration
	LOS	Limit of sensitivity
	LUFT	Leaking underground fuel tank

	LWRP	Livermore Water Reclamation Plant
M	MAPEP	Mixed Analyte Performance Evaluation Program
	mCi	Millicurie (10^{-3} Ci)
	MCL	Maximum contaminant level
	MDC	Minimum detectable concentration
	MDL	Minimum detection limit
	MEI	Maximally exposed individual
	MEK	Methyl ethyl ketone
	mGy	Milligray (10^{-3} Gy)
	ML	Megaliter (10^6 liters)
	mL	Milliliter (10^{-3} liter = 1 cm^3)
	MPN	Most probable number
	mR	Milliroentgen (10^{-3} R)
	mrem	Millirem (10^{-3} rem)
	MRF	Materials Recovery Facility
	MRP	Monitoring and Reporting Program
	MSDS	Material safety data sheet
	mSv	Millisievert (10^{-3} Sv)
	MTBE	Methyl tertiary-butyl ether
	MTU	Minature treatment unit
N	NCRP	National Council on Radiation Protection
	NEPA	National Environmental Policy Act
	NESHAPs	National Emission Standards for Hazardous Air Pollutants
	NHPA	National Historical Preservation Act
	NIF	National Ignition Facility
	NIST	National Institute for Standards and Technology
	NOEC	No observed effect concentration
	NOI	Notice of Intent
	NOV	Notice of Violation
	NPDES	National Pollutant Discharge Elimination System
	NPL	National Priorities List
	NRC	Nuclear Regulatory Commission
	nSv	Nanosievert (10^{-9} Sv)

O	OBT	Organically bound tritium
	ORAD	Operations and Regulatory Affairs Division (of the Environmental Protection Department at LLNL)
	OSP	Operational safety plan
	OU	Operable unit
P	P2	Pollution Prevention
	PA	Programatic agreement
	PCB	Polychlorinated biphenyl
	PCE	Perchloroethylene (or perchloroethene). Also called tetrachloroethylene (or tetrachloroethene).
	pCi	Picocurie (10^{-12} Ci)
	pg	Picogram (10^{-12} g)
	PHA	Public Health Assessment
	pHMS	pH Monitoring Station
	PM	Performance measure
	PMCL	Primary maximum contaminant level
	POTW	Publicly owned treatment works
	ppb	Parts per billion
	ppm	Parts per million
	ppmv	Parts per million by volume
	PPOA	Pollution Prevention Opportunity Assessment
	PTU	Portable treatment unit
Q	QA	Quality assurance
	QAP	Quality Assurance Plan
	QC	Quality control
R	R	Roentgen
	RAIP	Remedial Action Implementation Plan
	RCRA	Resource Conservation and Recovery Act of 1976
	RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
	RHB	Radiological Health Branch
	RL	Reporting limit
	RML	Radiological Measurements Laboratory
	ROD	Record of Decision
	ROI	Return on investment

S	RPM	Remedial Project Manager
	RWQCB	Regional Water Quality Control Board
	SAA	Streambed Alteration Agreement
	SAER	Site Annual Environmental Report
	Sandia/California	Sandia National Laboratories, California
	SAR	Safety analysis report
	SARA	Superfund Amendment and Reauthorization Act of 1986 (see also CERCLA/SARA)
	scm	Square cubic meter
	SDF	Sewer Diversion Facility
	SE	Standard error
	SERC	State Emergency Response Commission
	SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
	SHPO	(California) State Historic Preservation Office
	SI	Système International d'Unités
	Site 300	LLNL's Experimental Test Site, located approximately 24 km east of the Livermore site
	SJCHD	San Joaquin County Health District
	SJVUAPCD	San Joaquin Valley Unified Air Pollution Control District
	SL	Statistical limit
	SME	Subject matter expert
	SMS	Sewer Monitoring Station
	SOP	Standard operating procedures
	SOV	Summary of violations
	SPCC	Spill Prevention Control and Countermeasure
	STAR	Sample tracking and receiving (computer system)
	STP	Site Treatment Plan
	STU	Solar treatment unit
	Sv	Sievert
	SVE	Soil vapor extraction
	SVOC	Semivolatile organic compound
	SWDC	Surface water drainage course
	SW-MEI	Sitewide maximally exposed individual member of the public
	SWPPP	Storm Water Pollution Prevention Plan

	SWRCB	(California) State Water Resources Control Board
T	TBq	Terabecquerel (10^{12} Bq)
	TCE	Trichloroethene (or trichloroethylene)
	TCLP	Toxicity characteristic leaching procedure
	TDS	Total dissolved solids
	TLD	Thermoluminescent dosimeter
	TNT	Trinitrotoluene
	TOC	Total organic carbon
	TOX	Total organic halides
	TRI	Toxic Reporting Inventory
	TRU	Transuranic waste
	TSCA	Toxic Substances Control Act
	TSS	Total suspended solids
	TTO	Total toxic organics
	TWMS	Total Waste Management System
U	UC	University of California
	UST	Underground storage tank
V	VOC	Volatile organic compound
	VTF	Vapor treatment facility
W	WAA	Waste accumulation area
	WDR	Waste Discharge Requirements
	WSS	Work Smart Standards
Z	Zone 7	Alameda County Flood Control and Conservation District, Zone 7